

BARRIER COATING FOR VITREOUS MATERIALSAbstract of the Disclosure

A chemical vapor deposition apparatus comprises a reaction chamber and one or more vitreous components having an outer surface that is covered at least in part by a devitrification barrier layer. In some arrangements, the one or more vitreous components can include a thermocouple. In a preferred arrangement, the devitrification barrier coating is formed from silicon nitride, which can be deposited on the vitreous component using chemical vapor deposition (CVD).

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